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CENTRAL INTELLIGENCE AGENCY  
INFORMATION REPORT

REPORT

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COUNTRY East Germany

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SUBJECT Scientific and Technical Projects of the  
Main Administration for Shipbuilding in 1954

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1. The following table shows the standardization projects which VEB Schiffbau, Projekt- und Konstruktionsbuero, Berlin-Koepenick, was processing during 1954 for the Main Administration for Shipbuilding of the East German Ministry for Machine Construction.

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<u>Subject</u>	<u>Status</u>
Pipe unions (Rohrverschraubungen)	Discontinued because DIN sheets (Blaetter) are now on hand for this item
Stairs in the machine room	Completed; completion report not yet submitted
Furniture for ships (Schiffsmoebel)	Completed; completion report not yet submitted
Liquid level indicator (Fluessigkeitsstand- anzeiger)	70 percent completed
Sprayproof doors (Spritzwasserdichte Tueren)	80 percent completed
Fire doors	80 percent completed
Air shaft tops (Luftrohrkoepe)	60 percent completed
Scuppers	70 percent completed
Speaking tube pipe	Completed; completion report not yet submitted
Fire extinguisher lockers	50 percent completed
Cabin doors	Completed; completion report not yet submitted

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2. The following table shows the standardization projects which VEB Schiffs-elektrik Rostock was processing during 1954 for the Main Administration for Shipbuilding.

<u>Subject</u>	<u>Status</u>
Capacitance of electric motors	Withdrawn on 31 May 1954 and postponed until 1955; new Plan Number: [redacted]
Wd. Schiff sleuchten	To be continued in 1955 under Plan Number [redacted]
Tension norms (Spannungsnormen)	Delivered on 22 July 1954
Starting and steering equipment	60 percent completed

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3. The following table lists the 28 research and development projects which were completed during 1954. Since there were 39 projects to be processed, the Plan was fulfilled 72%.

Freighter, type IV
Construction catalog
Shipbuilding regulations
Propeller calculations
Coastal motor vessel no. 3
Shipbuilding profiles, rolled
Standard bulkhead sections
Longitudinal frame boat with hand propeller
Economical welding
Fire protection experiments
Ship's ventilation
New technical project for freighters
Barge 20 meters long
Removal of rust
Strength of ship's decks
Trial run measurements
Gear drive
Endschlepper
Stability indicating instrument
International racing boats
V-shaped hull
Boat of synthetic materials in fuselage construction
Racing boat (model boat)
Flying Dutchman (sic)
Gravity davit

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House-boat  
Ship's insulation  
Two-man racing hull, without a stroke

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4. The following table indicates (in thousands of DME) the funds appropriated and the funds actually used by the various development offices. These funds came exclusively from the Central Fund for Research and Technology (Zentralfond Forschung u. Technik).

<u>Development office</u>	<u>Planned funds</u>	<u>Funds used</u>	<u>Percent</u>
Kobue Koepernick	755	675	90
Warnowwerft	341	268	79
Thesenwerft	260	225	87
Neptunwerft	274	197	72
Rosslauer Schiffswerft	487	456	94
Yachtwerft Berlin	204	170	83
Other offices	127	116	91
<b>Total: HV Schiffbau</b>	<b>2,448</b>	<b>2,107</b>	<b>86</b>

5. The total planned funds for 47 development projects in 1955 is 2,752,000 DME. This sum is broken down as follows:

<u>Type of Project</u>	<u>No of projects of this type</u>	<u>Percentage of the total planned funds</u>
Constructional development	7	39 %
Research on the underlying principles of ship theory	13	27 %
Fundamentals and preparation for construction	10	13.5%
Racing and sport boat development	7	7.5%
Fundamentals for production	3	7 %
Fisheries	7	6 %

6. The following is an analysis of the mutual technical-scientific cooperation (TWZ) between East Germany and the Soviet Bloc.

- a. In 1954, eight East German requests were placed and five requests from 1953 were renewed.

(1) The five requests carried over from 1953 were:

Documentation	Electro-mechanical cutting equipment	USSR
Consultation	Visit to a Soviet Institute for shipbuilding	USSR
Consultation & Documentation	Floating crane, 50- 100 tons capacity	Hungary
Documentation	River passenger ships	Hungary
Documentation	Crankshafts from modified cast iron	USSR

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(2) The following requests for 1954 were still to be realized:

Consultation	Fish-processing ship	Poland
Documentation	Removal of rust or similar	
& Consultation	experience in shipbuilding	USSR
Documentation	Filet machine for ship-	
	board use	USSR
Documentation	Technology of electric tech-	
	niques in shipbuilding	USSR
Documentation	Life span of cast steel	
	propellers	USSR
Consultation &	Ship's insulation	USSR
Documentation		

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(3) The following requests for 1954 were refused:

GOST standards
Admission for optical scribing processes

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b. The following seven requests for 1955 were placed:

Consultation	Corrosion protection of	
	sea-going vessels	Poland
Consultation &	Study of Czech river-	
Documentation	going shipbuilding	Czechoslovakia
Consultation	Study of the planning	
	methods for shipbuilding	USSR
Consultation	Experience sharing between	
Docum	HV Schiffbau the Central	
	Administration for Ship-	
	building, Poland	Poland
Documentation	Freighters 10,000 tons	Poland
Consultation &	Study of argon arc-welding	Hungary
Documentation		
Documentation	Technology of cast ship's	Czechoslovakia
	screws	

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c. The following requests were made to East Germany by members of the Soviet Bloc:

<u>USSR</u>		Documentation on insulating material	
		Calculations of strength of the faster boats	
		Fast cutters (Kutere)	
		Vinidurfolien for insulation in shipbuilding	

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Czechoslovakia

	Rescue and work boats
	Study of shipbuilding

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Poland

	Questions on repair work
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Bulgaria

	Construction plans for schooling boats (akademische Boote)
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China

	Technology of the construction of ships.
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